

POTW PRETREATMENT ANNUAL REPORT

CITY OF GLENDALE, ARIZONA

COVER SHEET

NPDES Permit Holder: City of Phoenix, Arizona

Period Covered by this Report: 01-01-05 through 12-31-05

Name of Wastewater Treatment Plant: 91st Avenue WWTP

NPDES Permit Number: AZ0020524

Person to Contact Concerning City of Glendale Information Contained in the Report:

John Watkins  
Pretreatment Officer  
City of Glendale  
5901 N. Glen Harbor Blvd  
Glendale, Arizona 85307  
623-930-4758

As required by 40 C.F.R. Section 122.22(b)(2):

*I certify under penalty of law that all CITY OF GLENDALE attachments contained in this document were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

Date

2-3-06

Lawrence Brotman, Superintendent of Wastewater Operations  
City of Glendale, Arizona



## CITY OF GLENDALE ARIZONA

Glendale is located in Maricopa County on the western border of Phoenix. With a population of approximately 235,000 it is the fourth largest city in Arizona. The City has grown from its original one square mile to 56.5 square miles today including the Luke Air Force Base annexation. Situated at 1,100 feet above sea level, Glendale has an annual rainfall of 7 inches and an average high temperature of 85 degrees Fahrenheit with an average low of 57 degrees.

Glendale was founded in 1892 by W.J. Murphy who persuaded B.A. Hadsell to bring his Brethren religious colony from Illinois to settle west of Phoenix. Incorporated as a town in 1910, agriculture and railway shipping sustained Glendale's early growth.

Glendale has a council / manager form of government. The mayor is elected at large every four years and six council members are elected from districts to serve four year terms.

The economic base of Glendale is diversified and continues to expand. Major employers in Glendale are government, health care, general merchandisers, building component assembly, education, and aerospace component manufacturing and assembly.

Luke Air Force Base is located on the western boundary of Glendale and is the largest fighter training base in the western world. Our Loop 101 and Glendale Avenue area is home to the NHL Coyote Arena and soon to be NFL Cardinals Stadium.

The Glendale Pretreatment Program officially began in 1983 as a requirement of the US EPA. The basis of this requirement is the 1972 Clean Water Act and the 1978 Federal General Pretreatment Regulations. The objectives of the Pretreatment Program are to prevent interference at the 91st Avenue Publicly Owned Treatment Works, prevent pass-through of pollutants from the treatment works, prevent contamination of treatment plant sludge to allow for land application or landfilling, and to protect the health and safety of our sewer and treatment plant personnel.

## **Glendale Pretreatment Program**

### **Significant Industrial Users (SIU)**

#### **American Pumping Company**

7220 N. 65th Avenue  
Glendale, Arizona 85301  
Signatory: Perry French, Owner  
Contact: Perry French  
Phone: 602-252-8111  
Local Limits Only

SIC: 7699,1711

#### **Corning-Gilbert Inc.**

5310 West Camelback Road  
Glendale, AZ 85301  
Signatory: Ms. Ann Skanadore, Laboratory Director  
Contact: Mr. Ann Skanadore  
phone: 602-245-1050  
40 CFR 433, Local Limits

SIC: 3644,3471

#### **Presto Casting Company**

5440 West Missouri Ave  
Glendale, AZ 85301  
Signatory: Mr. Paul Faulkner, EHS Manager  
Contact: Mr. Brian Brown, Maintenance Supervisor  
phone: 602-939-9441  
40 CFR 433, Local Limits

SIC: 3361,3479

# CITY OF GLENDALE

## PRETREATMENT PERFORMANCE SUMMARY

I. General Information									
Control Authority Name: CITY OF GLENDALE				NPDES No.: AZ0020524 (City of Phoenix)					
Address: 5901 N. Glen Harbor			City: Glendale		State: Arizona		ZIP: 85307		
Contact Person: John Watkins, Pretreatment Officer				Contact Telephone Number: (623) 930-4758					
Reporting Period: 01-01-05 to 12-31-05				Categorical IUs: 2			Significant Noncategorical IUs: 1		

  

II. Significant Industrial User Compliance									
	Categorical		Noncategorical		Total SIUs				
	No.	%	No.	%	No.	%			
1. No. of SIUs in Full Compliance	1	50	1	100	2		67		
2. No. of SIUs in Inconsistent Compliance	1	50	0	0	1	33			
3. No. of SIUs in Significant NonCompliance	0	0	0	0	0	0			
4. No. of Parameter Violations	1		0		1				
5. No. of Reporting Violations	0		0		0				
6. No. of Permit Condition Violations	0		0		0				

  

III. Compliance Monitoring Program				
	Categorical	Noncategorical	Total SIUs	
1. No. of Control Documents Issued	2	1	3	
2. No. of Nonsampling Inspections Conducted	2	1	3	
3. No. of Facilities Inspected (Nonsampling)	2	1	3	
4. No. of Sampling Visits Conducted	32	5	37	
5. No. of Facilities Sampled	2	1	3	

  

IV. Enforcement Actions			
	Categorical	Noncategorical	Total SIUs
1. Notices of Violations Issued to SIUs	1	0	1
2. Temporary Increase in IU Self Monitoring	0	0	0
3. Administrative Orders Issued to SIUs	0	0	0
4. Compliance Schedules Issued	0	0	0
5. Settlement Agreements	0	0	0
6. Other Actions	0	0	0
7. Amount of Penalties Collected	\$ 0	\$ 0	\$ 0

## CITY OF GLENDALE

	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	1	0	0
Number of City Sampling Days	2	0	0	2
Number of IU Sampling Days	1	0	1	0
Number of Parameter Violations	0	0	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	C	C	C	C
Evaluated as of:	7/6/05	7/6/05	1/30/06	1/30/06

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant NonCompliance  
If company is in I or S, then the following table applies:

[illegible]

### Enforcement Status Codes

- A - Notice of Violation (NOV)  
B - Administrative Order (AO)  
C - Civil Action Filed  
D - Criminal Action Filed  
E - Pretreatment Settlement Agreement (PSA)  
F - Assessment Monetary Penalties -  
G - Restriction of Flow  
H - Permit Revocation  
I - Compliance Schedule Issued  
J - Disconnection from Sewer  
K - Published in Newspaper as Significant Violator in Previous Year (SNV)  
L - Temporary Increase in IU Self Monitoring (TISM)  
N - No Enforcement Action

# ENFORCEMENT SUMMARY AND COMMENTS

Company Name: American Pumping Service, Inc.

Process Flow: 5156 gpd average. (2 - 3 batches /day)

General Information and type of wastewater treatment	
American Pumpings' pretreatment system is a non hazardous liquid waste dewatering system that consists of lime conditioning, polymer addition, and belt press dewatering. They batch treat grease trap waste, and discharge an average of 5156 gallons per day 20 days per month. They monitor pH weekly, and monitor flow daily during batch discharges.	
First Quarter	American Pumping industrial discharge permit was renewed on February 15, 2005 to include updated local limits. City personnel sampled this facility for 2 days in February.
Second Quarter	This facility was inspected April 18 with no violations being noted.
Third Quarter	No enforcement actions this quarter.
Fourth Quarter	No enforcement actions this quarter. City personnel sampled this facility for 2 days in November.

To be published for this year in newspaper as a significant violator?      Yes   X   No

Penalties this reporting Year: Assessed \$ -0- / Collected \$ -0-

# CITY OF GLENDALE

## SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT

NAME: Corning Gilbert Incorporated		REPORT PERIOD: 01/01/05 to 12/31/05	
SERVICE ADDRESS: 5310 West Camelback Road Glendale Arizona 85301	MAILING ADDRESS: P.O. Box 23189 Phoenix, Arizona 85063		
CATEGORICAL USER? Yes	40 CFR 433.15	LIMITS APPENDIX:	BMR SUBMITTED: 08-21-84
TTO CERTIFICATION DATE SUBMITTED: 04/26/05	PERMIT EFFECTIVE: 02/15/05	PERMIT EXPIRES: 02/15/10	
SAMPLING LOCATION VERIFIED ON: 3/16/05	RCRA NOTICE: 06-08-90		
SLUG CONTROL PLAN EVALUATION DATE: 02/28/05			

	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	1	0	0	0
Number of City Sampling Days	6	6	5	5
Number of IU Sampling Days	4	4	4	4
Number of Parameter Violations	0	0	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	C	C	C	C
Evaluated as of:	7/06/05	7/06/05	1/30/06	1/30/06

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant NonCompliance  
If company is in I or S, then the following table applies

Quarter	Type of Violation	Date of Violation	Sample Grab or Composite	Limit City or Federal	Monitoring City of IU	Parameter	Value / Limit mg/L	Measurements per Quarter

	1 <sup>st</sup> Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Enforcement Status	N	N	N	N

### Enforcement Status Codes

- |   |                                 |  |
|---|---------------------------------|--|
| A - Notice of Violation (NOV)               | F - Monetary Penalties Assessed | K - Published in Newspaper as Significant Violator (SNC) in prior year |
| B - Administrative Order (AO)               | G - Restriction of Flow         | L - Temporary Increase in Self Monitoring (TISM)                       |
| C - Civil Action Filed                      | H - Revocation of Permit        | N - No Enforcement Action  |
| D - Criminal Action Filed                   | I - Compliance Schedule Issued  |  |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection of Service    |  |

# ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Corning Gilbert, Inc.  
 Process Flow: 86,530 gpd (Average)

General Information and type of wastewater treatment	
This facility manufactures coaxial cable connectors. Pretreatment consists of hydroxide precipitation, chemical oxidation, stream segregation, filtration, sedimentation, and pH neutralization. Corning-Gilbert monitors flow and pH on a daily basis.	
First Quarter	<p>City personnel sampled this facility January 23,24,25,26,27 and February 1. They were inspected March 16.</p> <p>Corning's Industrial Discharge Permit was revised February 15 to include our updated local limits. They also submitted an updated TOMP on March 24.</p>
Second Quarter	<p>City personnel sampled this facility April 11,12,13,14,15, 20.</p>
Third Quarter	<p>This facility was sampled by City personnel July 19,20,21, and 22. They were also sampled for local limits compliance at the facility lift-station where it discharges into the City system.</p> <p>No enforcement actions this quarter.</p>
Fourth Quarter	<p>This facility was sampled by City personnel October 3, 4, 5, 6, 7. They were also sampled for local limits compliance on October 4, at the facility lift-station where it discharges into the City system.</p> <p>No enforcement actions this quarter.</p>

To be published for this year in newspaper as a significant violator?      Yes   X   No

Penalties this reporting Year: Assessed \$ -0-     / Collected \$ -0-



# CITY OF GLENDALE SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT

NAME: Presto Casting Company		REPORT PERIOD: 01/01/05 to 12/31/05	
SERVICE ADDRESS: 5440 West Missouri Ave Glendale Arizona 85301		MAILING ADDRESS: P.O. Box 1059 Glendale, Arizona 85311	
CATEGORICAL USER?	Yes	40 CFR	433.15
TTO CERTIFICATION DATE SUBMITTED: 10/17/05		LIMITS APPENDIX:	
SAMPLING LOCATION VERIFIED ON: 3/24/05		PERMIT EFFECTIVE: 2/15/05	PERMIT EXPIRES: 2/15/10
SLUG CONTROL PLAN EVALUATION DATE: 6/28/05		RCRA NOTICE: 06/08/90	
BMR SUBMITTED: 12/29/88			

	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	1	0	0	0
Number of City Sampling Days	5	0	5	0
Number of IU Sampling Days	1	1	1	1
Number of Parameter Violations	0	0	1	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Condition Violations	0	0	0	0
Compliance Status	C	C	I	C
Evaluated as of:	7/06/05	7/06/05	1/30/06	1/30/06

COMPLIANCE CODES: C=Compliance; I=Inconsistent Compliance; S=Significant NonCompliance;  
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit (mg/L)	Number of Measurements per Quarter
3	Daily Limits	9/30/05	G	City	IU	pH	11.4 / 10.5	Continuous
			1st Quarter (Jan 1 - Mar 31)		2nd Quarter (Apr 1 - Jun 30)		3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Enforcement Status			N		N		A	N

## Enforcement Status Code

- |   |   |  |
|---|---|--|
| <p>A - Notice of Violation (NOV)</p> <p>B - Administrative Order (AO)</p> <p>C - Civil Action Filed</p> <p>D - Criminal Action Filed</p> <p>E - Pretreatment Settlement Agreement (PSA)</p> | <p>F - Monetary Penalties Assessed</p> <p>G - Restriction of Flow</p> <p>H - Revocation of Permit</p> <p>I - Compliance Schedule Issued</p> <p>J - Disconnection of Service</p> | <p>K - Published in Newspaper as Significant Violator (SNC) in Prior Year</p> <p>L - Temporary Increase in Self Monitoring (TISM)</p> <p>N - No Enforcement Action</p> |
|---|---|--|

# ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Presto Casting Company  
 Process Flow: 4,908 gpd (Average)

General Information and type of wastewater treatment	
Presto Casting is a division of Magellan Aerospace Corporation and produces aluminum and magnesium parts by casting. Pretreatment system consists of treating chrome rinse water by reducing chrome III with SO <sub>2</sub> , neutralizing, then sending through a filter press. Non chrome rinse baths are batch reduced then released. There is no discharge to the sewer from their casting quench operation. Flow and pH are monitored on a continuous basis.	
First Quarter	Presto Casting was issued a revised industrial discharge permit February 15 that incorporated our updated local discharge limits. City personnel sampled their facility March 14, 15, 16, 17, 18 and inspected them March 24. They submitted a zero discharge certification on January 3, 2005, for their Casting Quench Operation.
Second Quarter	No enforcement actions this quarter.
Third Quarter	City personnel sampled this facility August 22, 23, 24, 25, 26 with no violations noted. The City also sampled them on August 23, for local limits compliance consideration at their discharge manhole on 55th Avenue.
Fourth Quarter	Presto was issued an NOV for a 35 minute pH excursion (11.4 SU) on September 30 that was caused by operator error. Subsequently, the automatic shut off system was modified to prevent the possibility of further violations and the operator received updated training. As a result they returned to full compliance.

To be published for this year in newspaper as a significant violator?      Yes   X   No  
 Penalties this reporting Year: Assessed \$     0     / Collected \$     0

**City of Glendale  
NPDES Annual Report 2005**

**Pretreatment Program Additions / Deletions**

**NONE**



## **Pretreatment Program Pollution Prevention Through Point Source Control Measures**

### **Introduction**

Section C. 1 of the National Pollutant Discharge Elimination System (NPDES) Permit No. AZ0020524 requires Sub-Regional Operating Group (SROG) member cities to submit progress reports detailing efforts pertaining to pollution prevention through point source control measures. The City of Glendale's activities of January through December 2005 are summarized below.

### **Point Source Control Program**

#### ***Pollutants of Concern:***

Businesses that have the potential to discharge pollutants of concern have been found in 52 different SIC code designations within the City of Glendale. Our revised database indicates a total of 2444 such businesses in Glendale and pollution prevention inspections were performed at 95 of these businesses in 2005. Educational materials regarding waste minimization and pollution prevention are handed out during inspections. Our commercial inspection program includes all businesses with pollutants of concern including laundries, dry cleaners, beauty shops, automotive repair, car washes, medical facilities, and public schools.

#### ***Oil & Grease Program:***

Our database currently identifies 1002 restaurants, taverns and other eating establishments that have oil and grease discharges and thus receives periodic inspections by the City. There were a total of 178 grease trap inspections performed during 2005

#### ***Significant Industrial Users (SIUs):***

Semi-annual sampling is routinely conducted each year at American Pumping and Presto Casting Company and quarterly compliance sampling is performed at Corning Gilbert, Inc. These businesses are also inspected on an annual basis to ensure compliance with industrial discharge permit requirements. We periodically review tax and license records, planning department information and field investigations to find other potential significant industrial users.

#### ***Other Industrial Users:***

Annual inspections are also conducted at Stone Container, Thunderbird Samaritan Hospital, Gaylord Container, and Magellan Aerospace Turbine Services, formerly National Flight.

#### ***Stormwater Program:***

Pretreatment personnel are also responsible for performing stormwater related duties. This year we conducted 144 stormwater outfall inspections, inspected 7 City facilities, conducted 37 stormwater related business inspections. We routinely hand out information regarding stormwater control responsibilities and Stormwater BMP fact sheets to such businesses. We currently have 294 businesses within the EPA stormwater listed SIC codes in our 'Stormwater' database.

***Public Participation / Education:***

During business inspections we routinely handout brochures including *City of Glendale Pretreatment Program, Pollution Prevention for Automotive Maintenance and Repair Shops, Pocketguide to Grease Traps and Interceptors for Eating Establishments, Fat-Free Sewers (in English and Spanish), Pollution Prevention Begins With You, City of Glendale Pretreatment Stormwater Program, and the ADEQ Managing Hazardous Waste Handbook.*

In May 2005 a letter was sent out to all Maricopa County permitted waste haulers informing them of the changes to our City Code related to grease interceptor pumping and maintenance.

Pretreatment Program related materials and information can also be found at our website:  
**[www.glendaleaz.com/utilities/pretreatment](http://www.glendaleaz.com/utilities/pretreatment)**

## **City of Glendale NPDES Annual Report 2005**

### **Pretreatment Program Changes and Other Activities**

#### **Program Changes**

Our local sewer use ordinance modifications became effective January 1, 2005, and incorporate changes that resulted from the 2004 Malcolm Pirnie / SROG local limits study. Details of those modifications can be found at our Pretreatment website,

[www.glendaleaz.com/utilities/pretreatment](http://www.glendaleaz.com/utilities/pretreatment)

#### **Staff Changes**

Two inspector vacancies were filled in our Pretreatment Division in January and brings our staff to four Pretreatment Inspectors and one Pretreatment Officer.

#### **Domestic Site Sampling**

Sampling was performed at our domestic site location at 65th Avenue and Onyx Street February 13-15 and July 9-11, 2005. This is a long term and ongoing sampling program in which the data is utilized to assess the domestic contribution of pollutants into our wastewater systems.

#### **SROG Participation**

Glendale Pretreatment personnel participate in monthly Subregional Operating Group (SROG) Technical Advisory Committee meetings held at the AMWUA offices in Phoenix. Glendale personnel also attend SROG meetings held monthly regarding the 91<sup>st</sup> Ave POTW Metering Stations Impact Study being conducted by Greeley and Hansen.

Glendale Pretreatment personnel continue to meet with the Multi Cities FOG (floatable oil & grease) Interest Group on a monthly basis to discuss FOG related issues. The group was formed in 2004 by members of SROG and extended participation to other interested Arizona cities as well as local waste haulers, disposal facilities, and other related businesses. Our intent through this organization is to standardize FOG related policy and ordinance requirements for local businesses that discharge wastewater effluent containing food related oil and grease.

#### **Training / Seminars Attended By Pretreatment Personnel**

- City of Glendale annual refresher courses in confined space, environmental awareness, hazard communications, hazardous materials transportation, laboratory safety, bloodborne pathogens, fire extinguisher, gas monitor usage, process safety and first aid/ CPR.
- 8 hour Hazwoper refresher classes
- AWPCA Annual Conference in Mesa
- AWPCA Pretreatment Conference
- ADEQ Drinking Water & Wastewater Workshop
- ADHS Groundwater and Drinking Water Sampling Techniques
- WEFTEC 2005 Conference in Washington, DC

## CITY OF GLENDALE

List of industries in SNC (Significant NonCompliance) for 2005

Industrial User	Nature of Violation Type of Pollutant	Date of Last Non Compliance	Has User Returned To Compliance Status as of 12/31/05	Number of times Published	Nature of Enforcement Action	Comments
No industries in SNC in 2005						

# CITY OF GLENDALE

## SUMMARY OF PRETREATMENT PROGRAM EXPENDITURES

Total Expenditures Budget Year 2005: \$ 437,887

### PRETREATMENT PROGRAM PERSONNEL

Pretreatment Program Officer

1 FTE

Pretreatment Program Inspector

4 FTE

### PRETREATMENT PROGRAM EXPENDITURES

Computer Upgrades & Equipment	\$	8,501
Chemicals, Sampling Supplies, Misc	\$	35,841
Office Supplies	\$	2,502
Laboratory Analysis	\$	74,921
Maintenance	\$	8,475
Personnel Expenses	\$	300,075

### PRETREATMENT EQUIPMENT INVENTORY

	<u>Purchase 2005</u>	<u>Total 2005</u>
Computers	8	
Samplers	2	6
Flowmeters		3
pH Meters		3
Vehicles		5
Gas Detectors		3